Notice of Allowability	Application No.	Application No. Applicant(s)	
	10/667,333	YOSHIKAWA ET AL.	
	Examiner	Art Unit	
	Luan Thai	2829	_
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.31	6 (OR REMAINS) CLOSED) or other appropriate comi RIGHTS. This application is	in this application. If not included nunication will be mailed in due course. THI	
1. This communication is responsive to			
2. The allowed claim(s) is/are 1 and 2.			
3. A The drawings filed on 23 September 2003 are accepted b	y the Examiner.		
 4. Acknowledgment is made of a claim for foreign priority u a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have linternational Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 	e been received. e been received in Application occuments have been received in Application of this communication of this communication of the communication	ion No ed in this national stage application from the	e
5. A SUBSTITUTE OATH OR DECLARATION must be subn INFORMAL PATENT APPLICATION (PTO-152) which give	nitted. Note the attached E res reason(s) why the oath	KAMINER'S AMENDMENT or NOTICE OF or declaration is deficient.	
6. CORRECTED DRAWINGS (as "replacement sheets") mu (a) including changes required by the Notice of Draftsper 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in	son's Patent Drawing Revi - 's Amendment / Comment 1.84(c)) should be written on	or in the Office action of the drawings in the front (not the back) of	
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT 			
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Paper No 08), 7. ☐ Examiner	•	
LUANTHAI PRIMARY EXAMINI	ER 9/271	04	

Application/Control Number: 10/667,333 Page 2

Art Unit: 2829

DETAILED ACTION

1. Claims 1-2 are allowed.

2. The following is an examiner's statement of reasons for allowance:

The cited art taken either singly or in combination with other prior arts fails to anticipate or fairly suggest the limitations which the Applicant claims in a manner which would warrant a rejection under 35 U.S.C. § 102 or 35 U.S.C. § 103, especially when these limitations are considered within the specific combination claimed. In fact, the cited art, U.S. Pat. No. 6,350,666 to Kryliouk fails to teach or fairly suggest a semiconductor device having a nitride-based hetero-structure mainly composed of InN-based compound which comprises crystal having at least partly, a nitrogen polarity surface or a surface equivalent to the that surface, and a method of manufacturing such device, as being claimed in claim 1 and claim 2, respectively.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Application/Control Number: 10/667,333 Page 3

Art Unit: 2829

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Luan Thai whose telephone number is 571-272-1935. The examiner can normally be reached on 6:45 AM - 4:15 PM, Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Tokar can be reached on 571-272-1812. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Luan Thai

Primary Examiner Art Unit 2829 September 27, 2004